

North Carolina Aquaculture Association



*"Farming Fresh Alternatives"*

# NCAA & NCDA Update Overview of Programs

**Pete Anderson**

**NC Department of Agriculture**

- Agribusiness & Aquaculture Consultant

**NC Aquaculture Association**

- Treasurer & NCDA Representative





# Many Thanks are in order...

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- **USDA-APHIS** – Dr. Scott Squires
- **NCDA Food & Drug** – Anita MacMullan
- **NC Farm Bureau** – Debbie Hamrick
- **USDA-FSA** – Clif Parker
- **NCDA** – Ron Fish and Debra Sloan
- **NC Cooperative Extension**  
Steve Gabel, Mike Frinsko, Mike Carroll\*, Craven Staff\*



# Many Thanks are in order...

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## **NCAA Board Members and Areas**

Randy Gray – President

Nancy Sugg – Vice President

Christie Potts – Secretary

Dale Pridgen – Board

Sterling Davenport – Board

Sally Eason – Board

Gary Dillon – Board

Charlene Jacobs – Board



# Today's topics

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- **NCAA Initiatives and Update**

- NC Promotional Campaign – Grant
- NC Aquaculture Development Conference Input\*
- Aquaculture Checkoff Concept
- NCAA Western Initiative

- **NCDA Update**

- NPDES Update\*
- NCDA Aquaculture License & Aquatic Animal Health\*

- **Today's Agenda**

- Surrounding yourself with a 'winning team!'

# Today's meeting v/s 2012

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40 – 50 – 60+  
2012      2013      2014



# The past 4 year's for the NCAA

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- **2011**
  - 'Educating' Pete and strengthening the NCAA
- **2012**
  - Soil & Water Conservation Aquaculture Cost Share Programs
- **2013**
  - NAA Workshops, NC DWQ 'partnership' & NPDES Issues
- **2014**
  - NC Aquaculture Promotions & NCAA/NCADC 'growth'
- **2015**
  - **NC Aquaculture Checkoff?**
  - **NC Aquatic Animal Health Input?**

# NC Aquaculture Promotional Campaign

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- **Association provided funds ..... TTF Monies**

\$500 to \$1,000 .....	\$2,500
\$1,001 to \$2,500 .....	\$3,500
\$2,501 and up .....	\$5, 000

**The incorporation of logos from Got to be NC and the NC Tobacco Trust will included in all promotional materials. Our DRAFT proposal items include the following:**

- \$4500 – Got to be NC Seafood and Aquaculture Truck Wraps – Promotional Ad on NCDA&CS distribution tractor trailer.
- \$2500 – NC Seafood and Aquaculture “fresh, local, safe” brochures – proposing several thousand to pass out to NC schools, informational meetings, etc.
- \$1000 – NC Aquaculture Association display board and pop-up banners – usage at aquaculture meetings, conferences, tradeshow, etc.
- \$0 – Electronic curriculum that could be downloaded and utilized by schools (possibly Family Consumer Science Extension Agents) to accompany brochures.

# NC Aquaculture Promotional Campaign

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# NC Aquaculture Promotional Campaign

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# NC Aquaculture Promotional Campaign

*They thought my idea was a little too over the top?!?!*



***Do you know what your seafood swims in?  
Don't eat imported seafood!***

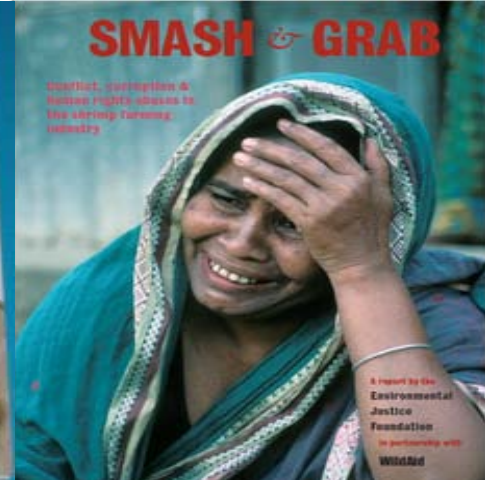
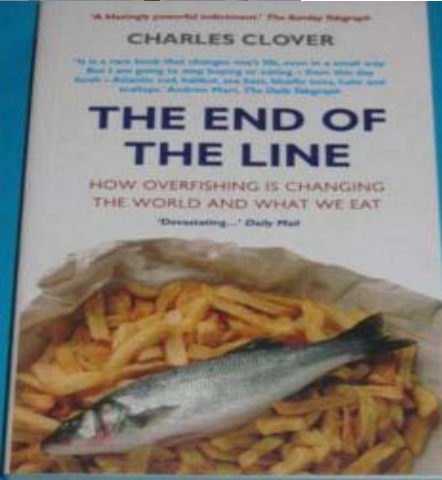
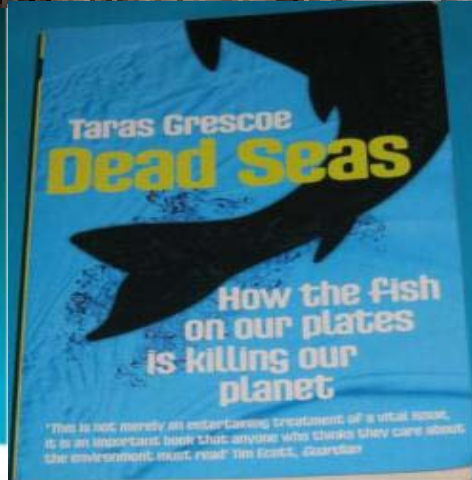
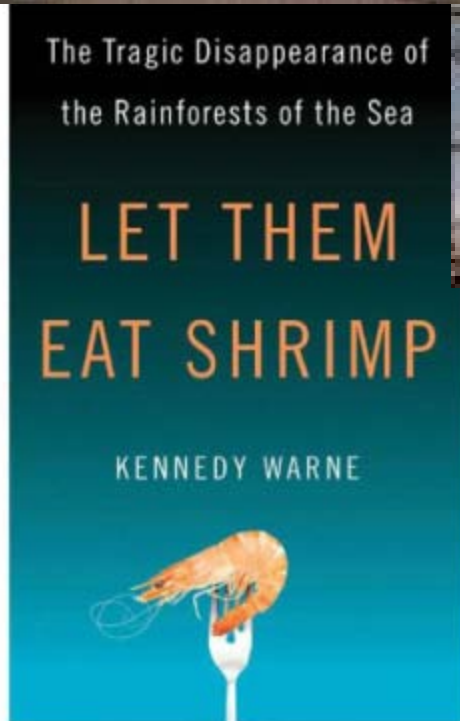
**ONLY EAT N.C. SEAFOOD!**  
**N.C. AQUACULTURE :**  
**safe, sustainable, fresh**

North Carolina Aquaculture Association



*"Farming Fresh Alternatives"*

# What is our public image?





# Inform consumers... THE TRUTH!

[The Industry](#)[Health and Nutrition](#)[FAQs](#)[Media](#)[Members](#)[About NAA](#)[Kids Corner](#)

## NATIONAL Aquaculture ASSOCIATION



### What is Aquaculture?

Aquaculture (fish farming) is the production of marine and freshwater organisms under controlled conditions. It includes fish, shellfish, and plants for human consumption, for stocking sport fishing ponds and streams, for bait, for enhancing wild populations, and for backyard ponds and aquariums.

[Read more...](#)

### Environmental Stewardship

In the U.S., aquatic farmers must follow strict federal and state regulations developed to protect the environment, wild stocks, and farmed fish. U.S. aquaculture can help meet the growing demand for seafood by supplementing wild harvests and providing fish for bait and for recreational fishing areas. This helps to ensure the sustainability of wild fish populations.

[Read more...](#)

### Choosing Seafood Farmed in the United States

Finfish and shellfish farmed in the U.S. are loaded with benefits that will help you stay in shape and enjoy a longer, healthier life. To help ensure the quality and wholesomeness of the harvest, federal and state agencies carefully monitor farming and processing. If you want safe, high quality seafood look for fish and shellfish farmed in the U.S.

[Read more...](#)

# The NCAA is OPENING!



**7:30-8:30 REGISTRATION & Tradeshow Opens (opening 30 mins earlier?)**

**8:30 Welcome - Twiddy / NCAA Breakfast -Gray \*\* (BALL ROOM)**

**8:30-9:30 NCAA: NCDA/WRC update; SCOTT SQUIRES (2)- Aquatic HEALTH**

**9:30-10:15 UPDATE 1 (NCDA, NCSU/Ext., SeaGrant)**

**10:15-10:45 BREAK 1**

**10:45-11:30 Research 3,4 (UNCW, NCSU) \* Steal 5+ mins from break?**

**11:30-12:00 BREAK 2\***

**12:00-1:30- LUNCH & Keynote 5 (Mike Freeze confirmed 8/25) Past Markets, Arkansas Health Cert., Future Concerns...**

**1:30-2:00 BREAK 3**

**2:30:00 Speakers 6,7,8 - Opportunities for Local Marketing (Nash, Bullen, Speckman\*\* confirmed 8/26) ~20 mins each**

**3-3:30 Speaker 9- fishmeal/fish oil replacement (Ferket confirmed 8/8)**

**3:30-4 Speaker 10 - Walton (Shellfish/marine) (Walton confirmed 8/29)**

**4:00-6:30 Tradeshow Mixer/Social \*split mixer in Lawson & Bradham rooms... \* NCAA AUCTION \*TURN IN EVALS with 5 early Aquafoods entry?**

**6:30 Aquafoods**

# NC Aquaculture Checkoff?



## MICHIGAN AQUACULTURE ASSOCIATION

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Mar  
11  
2014

### Michigan fish farmer calls for national aquaculture checkoff

The time has come for the aquaculture industry to join the many sectors of agriculture that have a checkoff for promotion, research and education on their gross sales, said Dan Vogler, owner and general manger of Harrietta Hills Trout Farm in Michigan.

Vogler pitched the idea to members of the Wisconsin Aquaculture Association at their 19th annual conference. He has made similar presentations to several aquaculture-related organizations and has support from the Michigan Farm Bureau, for which he is the chairman of the aquaculture and commercial fishing advisory committee. [Read more ...](#)



# NC Aquaculture Checkoff?

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- **Proposed** \$2 per ton of feed **concept**
- Funds would be managed by NCAA  
*(with direction from ALL members)*
- Funds would be utilized for
  - NC Aquaculture Promotional Campaigns
  - Research Funding with NCSU



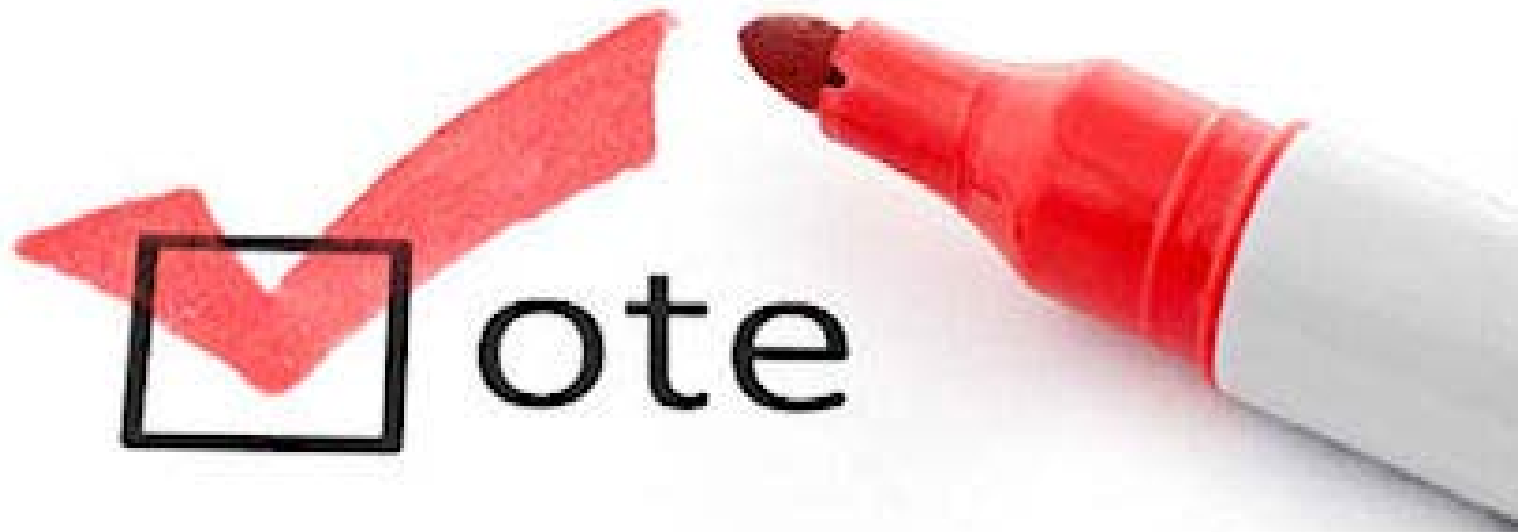
# NC Aquaculture Checkoff?





# NC Aquaculture Checkoff?

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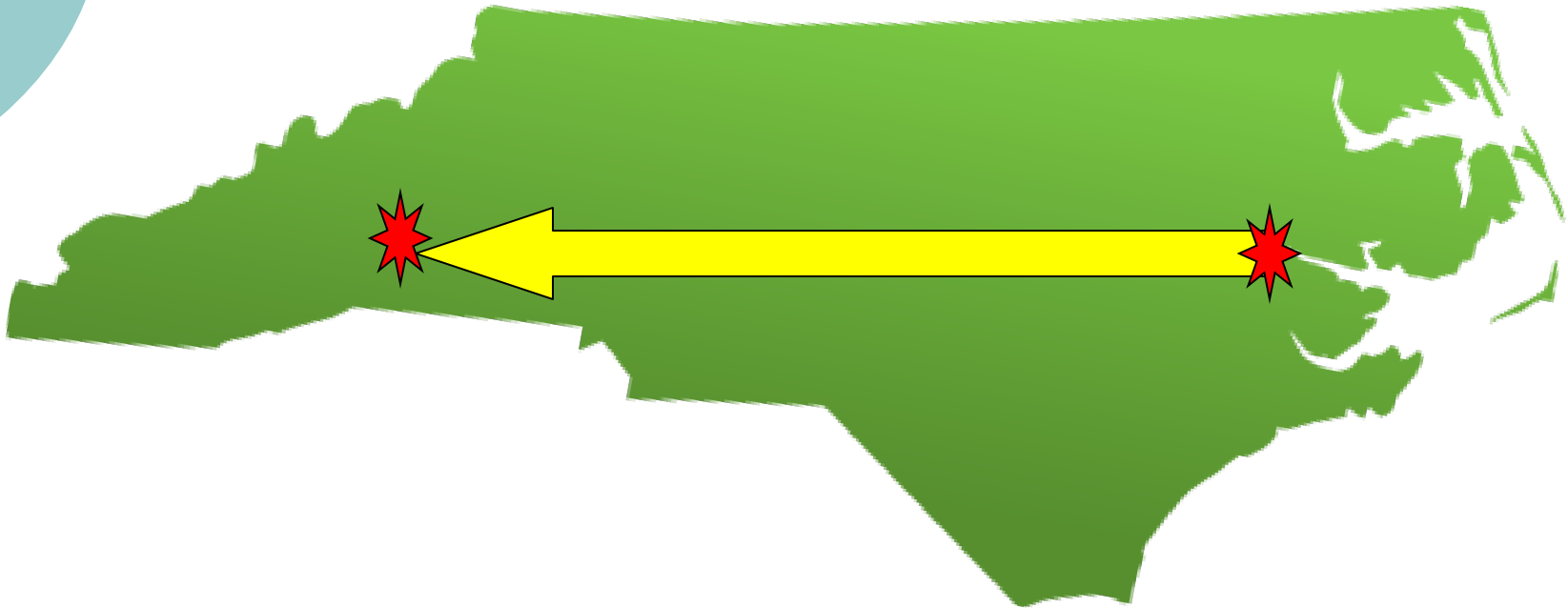


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# 2015 NCAA 'Western' Initiative

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Eastern & Western NCAA Producer Meetings?





# NPDES Review

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- **Letters to DWQ August 2012**
- **Monthly HSB Farm Meetings 2013**  
*My BAD PowerPoints (Teamwork, goals)*
- **DWQ Conference Meetings...**  
*Educational Efforts from the NCAA*
- **DWQ Central Office Farm Tours**
- **'Workable' Solution**
- **2014 NPDES Permits with BMP's**

# NPDES Permit Timeline

## Where we were headed...

### Minor Industrial

<u>Parameter</u>	<u>Daily</u>	<u>Monthly</u>
Flow	?	?
BOD <sub>5</sub> -s	7.5	5.0
BOD <sub>5</sub> -w	15.0	10.0
NH <sub>3</sub> -N-s	10.0	2.0
NH <sub>3</sub> -N-w	20.0	4.0
TSS	45	30
DO	5.0	
pH	6-9	
Cl <sup>-</sup>	230	230

Sample – Monthly?, Weekly?

\* Engineering Alternative Analysis

## What we asked for...

### Proposed NPDES

Same Speculative Limits  
 Bi-annual Sampling  
 (Winter, Summer)  
 Format of the General Permit  
 \*NO EAA

## Where we are headed\*...

### General NPDES Permit

<u>Parameter</u>	<u>Daily</u>	<u>Monthly</u>
TSS*	30	60
DO	6.0	
SS	5.0	10

- HQW – 20.0 Daily
- Sample – Annual Grab





# NPDES Review

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- DENR 'recommends' all HSB producers file for a NPDES permit...
  - \*Regardless of 100,000 lb. limit
- **Other** farms are being considered\*
- Upcoming Fall Meetings for non-permitted HSB Farms



# NC Aquatic Animal Health?



## NORTH CAROLINA DEPARTMENT OF AGRICULTURE & CONSUMER SERVICES

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- [Sources of NC Aquaculture Products](#)
- [Aquaculture Statistics](#)
- [Farm Pond Management](#)
- [NCDA & CS Aquaculture Publications](#)
- [Transport of live animals--contact information by state](#)
- [Links to other sites](#)

### Marketing - Aquaculture



## NCDA&CS Aquaculture License Information

The North Carolina Department of Agriculture & Consumer Services issues the aquaculture license. The license is for any person who owns or operates an aquaculture facility for the purpose of possession, production, transportation, sale or commercial catchout.

The license is free and can usually be obtained within two weeks. If you have any questions regarding the license or need assistance in the process, please contact Pete Anderson at (252) 633-1477, or email: [pete.anderson@ncagr.gov](mailto:pete.anderson@ncagr.gov)

[Explanation of the Aquaculture License](#)

[License application](#) (.pdf fill in form)

[License application](#) (Word doc.)

[Example of Completed Form](#) (.pdf)

# NC Aquaculture Law

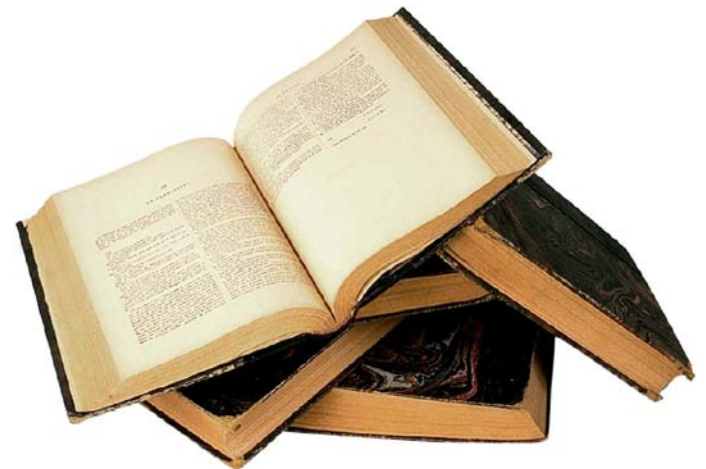
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## ○ Freshwater

- NCDA&CS
- 22\* Species Covered
- Non-approved species  
NCWRC partnership
- License Free
- Valid for:  
5 Years Prod./ Fee Fishing  
2 Years Holding Tank

## ○ Marine

- NCDMF
- Individually  
Reviewed and  
Approved
- Renewed Annually







## North Carolina Department of Agriculture & Consumer Services Aquaculture License Application

\*\*\*\*\* All information required unless otherwise noted \*\*\*\*\*

Facility Name and Mailing Address

Owner or Responsible Party and Address

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Physical Location

County of Farm Location

--	--

Telephone number(s):

Farm

Home

Mobile

Fax

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Email Address (optional)

Farm Website (optional)

	<a href="http://">http://</a>
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License(s) Requested

<input type="checkbox"/>	5 year Aquaculture Production (includes Holding Tank/Pond) License.
<input type="checkbox"/>	5 year Fee Fishing License
<input type="checkbox"/>	2 year Holding Tank/Pond License

Would you like your farm contact information listed on the NCDA Aquaculture website?

(For farms located in NC only)

Yes

No

(<http://www.ncagr.com/aquacult/product.html>)

Primary species to be produced and description of primary activities  
(see attached list for species):

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# NC Aquatic Animal Health?

The system works and we have a great partnership with the NCWRC



## NC WILDLIFE RESOURCES COMMISSION DIVISION OF INLAND FISHERIES FISHERIES MANAGEMENT AND DISTRICT BIOLOGISTS – updated March 18, 2014

### COASTAL REGION (DISTRICTS 1, 2, & 4)

#### **CHAD THOMAS, SUPERVISOR**

101 MARTHA DRIVE  
ELIZABETH CITY, NC 27909  
252-335-4961 (Office)  
252-339-5898 (Cell)  
[chad.thomas@ncwildlife.org](mailto:chad.thomas@ncwildlife.org)

### PIEDMONT REGION (DISTRICTS 3, 5, & 6)

#### **BRIAN McRAE, SUPERVISOR**

2312 SUMMIT DRIVE  
HILLSBOROUGH, NC 27278  
919-732-9429 (Office)  
336-212-1286 (Cell)  
[brian.mcrae@ncwildlife.org](mailto:brian.mcrae@ncwildlife.org)

### MOUNTAIN REGION (DISTRICTS 7, 8, 9)

#### **DOUG BESLER, SUPERVISOR**

MARION DEPOT, 645 FISH HATCHERY RD.  
MARION, NC 28752  
828-659-3324 x221 (Office)  
919-818-7886 (Cell)  
[doug.besler@ncwildlife.org](mailto:doug.besler@ncwildlife.org)

#### **JEREMY MCCARGO**

##### **DIST. 1 BIOLOGIST**

1003 Consolidated Road  
Elizabeth City, NC 27909  
252-339-5348 (Cell)  
[jeremy.mccargo@ncwildlife.org](mailto:jeremy.mccargo@ncwildlife.org)  
(Pasquotank County)

#### **BEN RICKS**

##### **DIST. 2 BIOLOGIST**

103 Ridgewood Circle  
Washington, NC 27889  
252-229-0170 (Cell)  
[ben.ricks@ncwildlife.org](mailto:ben.ricks@ncwildlife.org)  
(Beaufort County)

#### **KIRK RUNDLE**

##### **DIST. 3 BIOLOGIST**

5928 Leonard Road  
Nashville, NC 27856  
252-459-1149 (Office)  
252-903-7744 (Cell)  
[kirk.rundle@ncwildlife.org](mailto:kirk.rundle@ncwildlife.org)  
(Nash County)

#### **MICHAEL FISK**

##### **DIST. 4 BIOLOGIST**

116 Sharpe Road  
Sanford, NC 27332  
919-758-9024 (Cell)  
[michael.fisk@ncwildlife.org](mailto:michael.fisk@ncwildlife.org)  
(Lee County)

#### **JESSICA BAUMANN**

##### **DIST. 5 BIOLOGIST**

1406 E. Dogwood Drive  
Mebane, NC 27302  
919-304-2720 (Office)  
919-218-1434 (Cell)  
[jessica.baumann@ncwildlife.org](mailto:jessica.baumann@ncwildlife.org)  
(Alamance County)

#### **LAWRENCE DORSEY**

##### **DIST. 6 BIOLOGIST**

31826 Ameron Circle  
Albemarle, NC 28001  
704-986-6109 (Office)  
704-984-0600 (Cell)  
[lawrence.dorsey@ncwildlife.org](mailto:lawrence.dorsey@ncwildlife.org)  
(Stanly County)

#### **KIN HODGES**

##### **DIST. 7 BIOLOGIST**

179 Stonebridge Road  
Mt. Airy, NC 27030  
336-443-9436 (Office)  
828-234-5853 (Cell)  
[kin.hodges@ncwildlife.org](mailto:kin.hodges@ncwildlife.org)  
(Surry County)

#### **CHRISTOPHER WOOD**

##### **DIST. 8 BIOLOGIST**

Table Rock State Fish Hatchery  
3419 Fish Hatchery Avenue  
Morganton, NC 28655  
828-437-3977 (Office)  
828-674-4816 (Cell)  
[chris.wood@ncwildlife.org](mailto:chris.wood@ncwildlife.org)  
(Burke County)

#### **POWELL WHEELER**

##### **DIST. 9 BIOLOGIST**

Balsam Depot, 20830 Great Smoky Mtn. Exp.  
Waynesville, NC 28786  
828-452-0422 x 22 (Office phone not working)  
828-230-8739 (Cell)  
[powell.wheeler@ncwildlife.org](mailto:powell.wheeler@ncwildlife.org)  
(Haywood County)





# Problems with the current process

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- **No source verification!**
- Lack of production information  
farm production, size, etc.
- 5 year period (a lot can change)
- The US Postal Service
- 2 licenses (right arm left arm)  
aquaponics v/s HSB



# A change for the better?

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- “Easy” annual electronic update  
online entry: production info, contact info  
update, etc. Electronically sent
- Automatically annually renewed?
- 1 combined license?

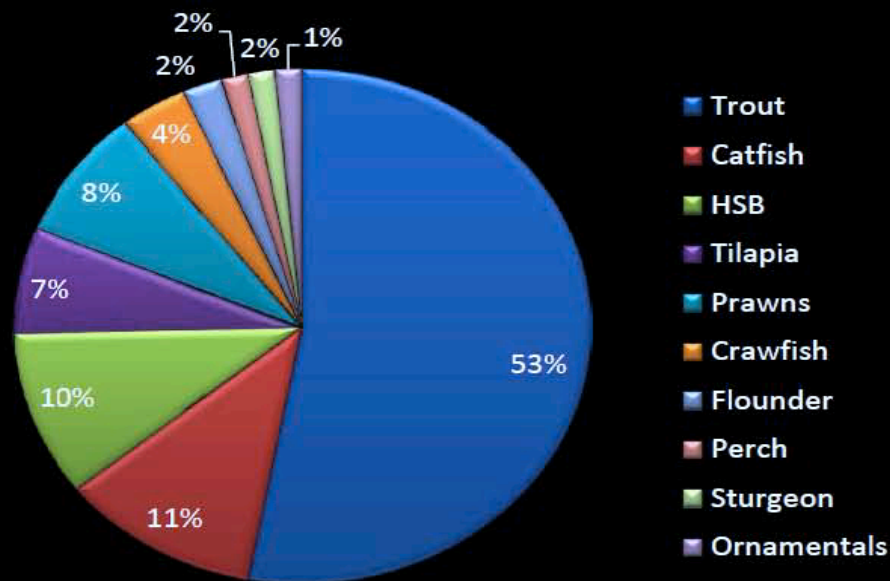


## 2012 NC Aquaculture Industry Valued at over \$500 million

### 2012 North Carolina Freshwater Aquaculture Sales

- 134 Farms Reporting (\*Currently 317 farms in NC with an active NCDA Aquaculture License)

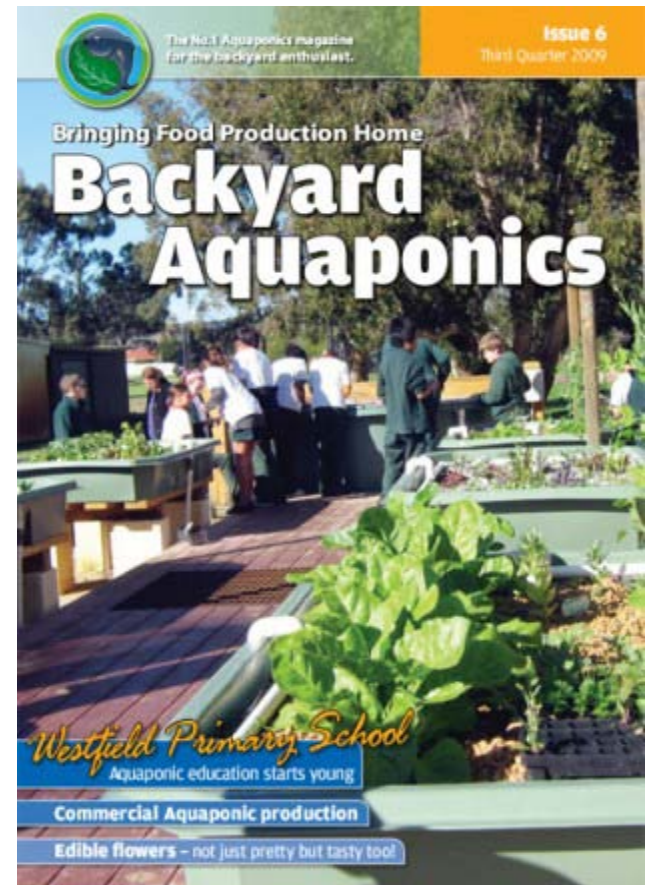
- Trout (71)
- Catfish (15)
- Hybrid Striped Bass (14)
- Tilapia (9)
- Freshwater Prawns (11)
- Crawfish (5)
- S. Flounder (3)
- Yellow Perch (2)
- Sturgeon (2)
- Ornamentals (2)





# NC Aquatic Animal Health?

Keep in mind our 'new producers' and ask where they are getting their fish... more importantly are they keeping them?





**Are we all following  
the same guidelines?**





# NC Aquatic Animal Health?

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- The reason for Dr. Squires talk today
  - How safe is our state?
- Aquaponics can be a great thing for our industry! (Helping grow consumers!)
  - But where is the oversight?
  - Is it reaching all that is needed?
- Is source verification needed?
  - Protect NC Aquaculture Facilities from disease
  - Protect NC's State Waters
    - Commercial and Recreational Fishing



# NC Aquatic Animal Health?

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- **If change is needed?**
  - It starts with you!
  - Producer Driven
    - Protecting our state
    - Protecting our industry
    - Protecting your farm
    - NOT impacted business



# Goals for the NCAA

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NCAA keeps members up to date on information regarding industry events, issues, changes in state and federal regulations, and other topics of importance such as upcoming programs, workshops, etc.

***Our goal is to give you up to date information with time to plan in advance.***

# Goals for the NCAA

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- **One Voice for NC Aquaculture to represent you on state and national issues.**
- **Information on issues that impact your farm and the NC aquaculture industry.**
- **A one-stop for information on research, policy, news and fellow producers.**

Your support will help shape the direction and focus of the NC Aquaculture industry and the NCAA

How do you think policy makers view our state's aquaculture industry now?









***We are here for YOU...***

## **NCAA Board Members and Areas**

Randy Gray – President – Tilapia & ALL\*

Nancy Sugg – Vice President – HSB & RAS

Christie Potts – Secretary – HSB & Markets

Dale Pridgen – Board – Tilapia & RAS

Sterling Davenport – Board – Crawfish

Sally Eason – Board – Trout

Gary Dillon – Board – Catfish

Charlene Jacobs – Board – Freshwater Prawn

Pete Anderson – Treasurer – NCDA Representative



# As we sit through today...

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- **USDA-APHIS** – Dr. Scott Squires
- **NCDA Food & Drug** – Anita MacMullan
- **NC Farm Bureau** – Debbie Hamrick
- **USDA-FSA** – Clif Parker
- **NCCE** – Steve Gabel & Mike Frinsko



# A lot to cover in a little time...

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NC Department of Agriculture & Consumer Services

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New Bern NC 28562



North Carolina Aquaculture Association



*"Farming Fresh Alternatives"*

# Thank you for being here today!